**TUGAS PRAKTIKUM KONSEP PEMPROGRAMAN**

**JILID 12 part 1**



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**Praktikum 8 (1/4)**

**POINTER**

**Untuk setiap program di bawah ini,**

* + **gambarkan ilustrasi alokasi memori dari setiap baris pernyataan yang diproses**
  + **perkirakan hasil eksekusinya**

1. main(){

int y, x = 87;

int \*px;

px = &x;

y = \*px;

printf("Alamat x = %p\n", &x);

printf("Isi px = %p\n", px);

printf("Isi x = %d\n", x);

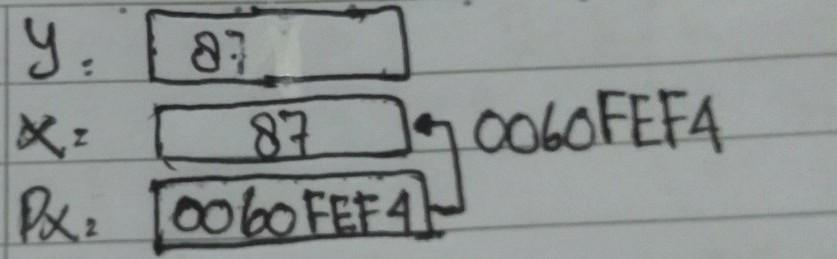
printf("Nilai yang ditunjuk oleh px = %d\n", \*px);

printf("Nilai y = %d\n", y);

}

Jawab :

Gambar :



Perkiraan Jawaban :

Alamat x = 0060FEF4

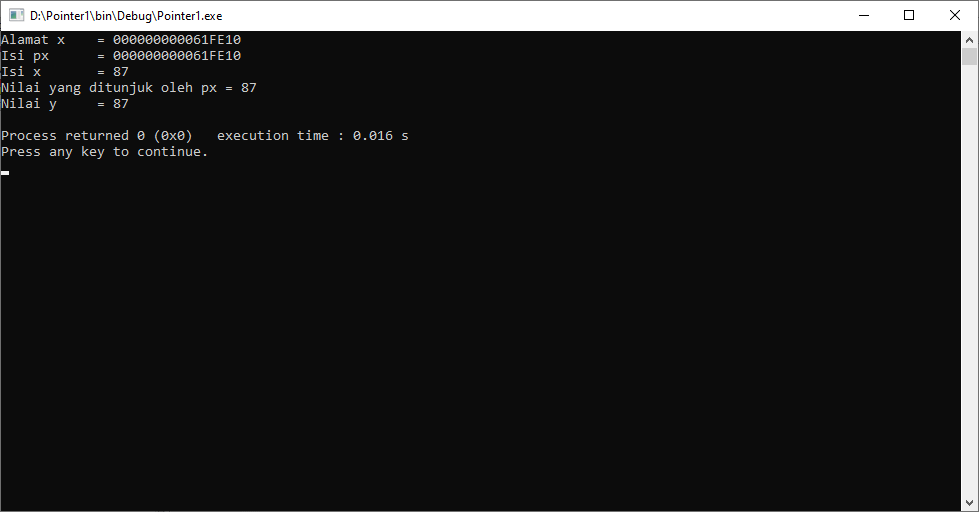
Isi px = 0060FEF4

Isi x = 87

Nilai yang ditunjuk oleh px = 87

Nilai y = 87

Output :



2. main(){

float \*pu, nu;

double u = 1234.0;

pu = &u; nu = \*pu;

printf("Alamat dari u = %p\n", &u); printf("Isi pu = %p\n", pu);

printf("Isi u = %lf\n", u);

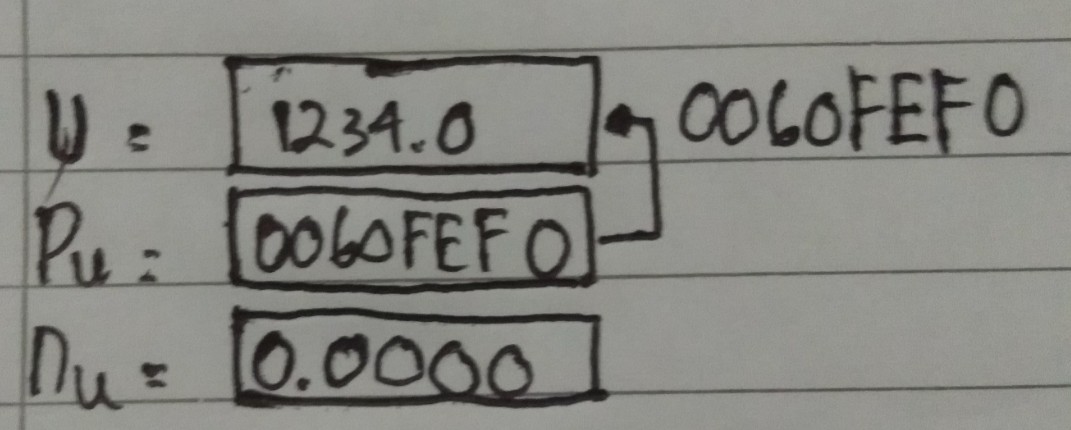
printf("Nilai yang ditunjuk oleh pu = %f\n", \*pu);

printf("Nilai nu = %f\n", nu);

}

Jawab :

Gambar :



Perkiraan Jawaban :

Alamat dari u = 0060FEF0

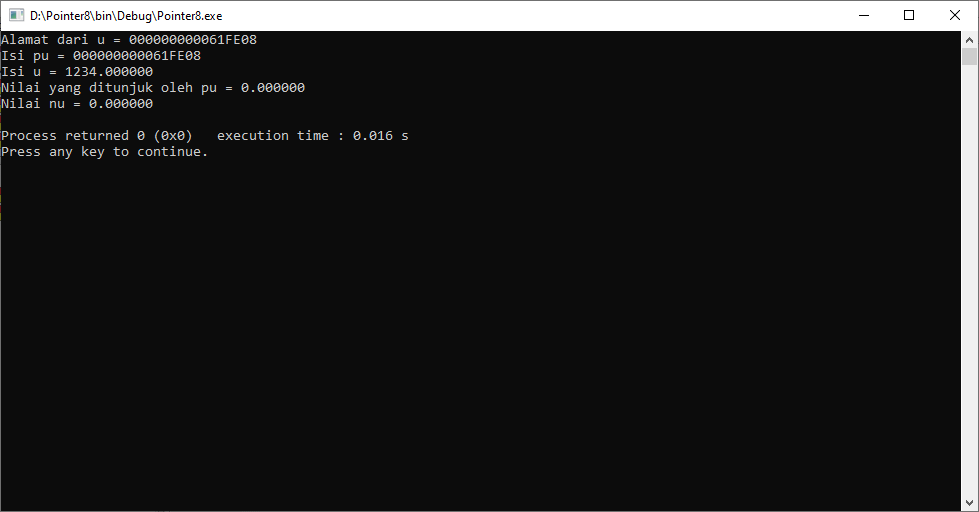
Isi pu = 0060FEF0

Isi u = 1234.0

Nilai yang ditunjuk oleh pu = 0.000000

Nilai nu = 0.000000

Output :



3. main(){

float d = 54.5f,\*pd;

printf("Isi d mula-mula = %g\n", d);

pd = &d;

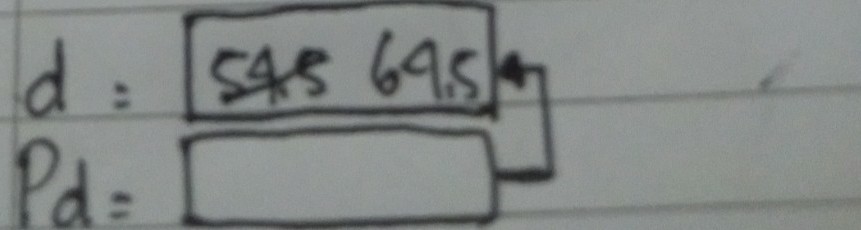
\*pd += 10;

printf("Isi d sekarang = %g\n", d);

}

Jawab :

Gambar :

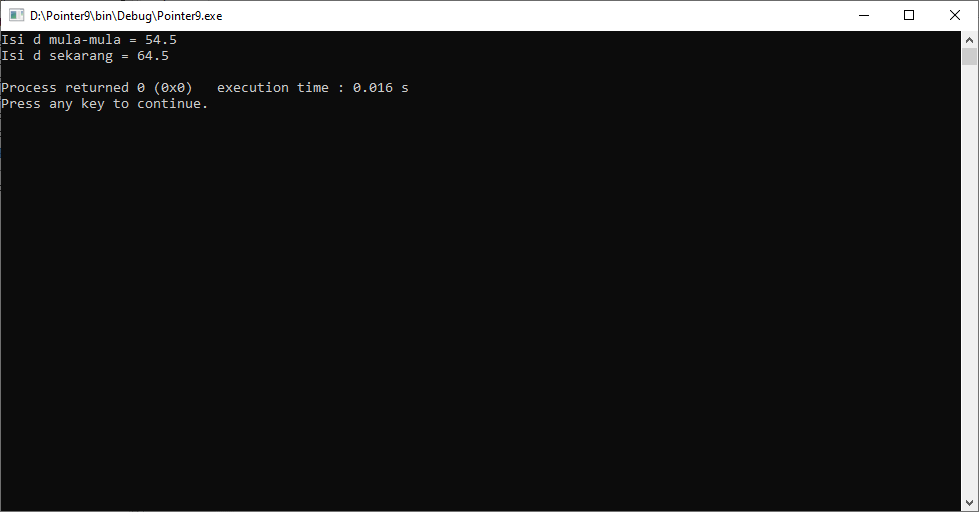


Perkiraan Jawaban :

Isi d mula-mula = 54.5

Isi d sekarang = 64.5

Output :



4. main(){

int z = 20, s = 30, \*pz, \*ps;

pz = &z;

ps = &s;

\*pz += \*ps;

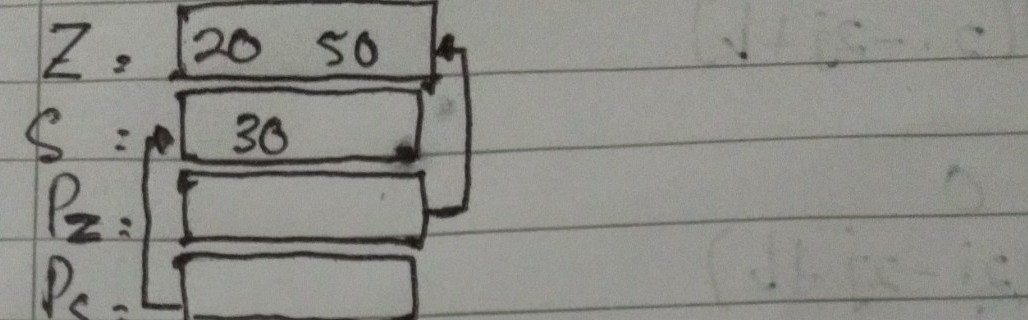
printf("z = %d\n", z);

printf("s = %d\n", s);

}

Jawab :

Gambar :

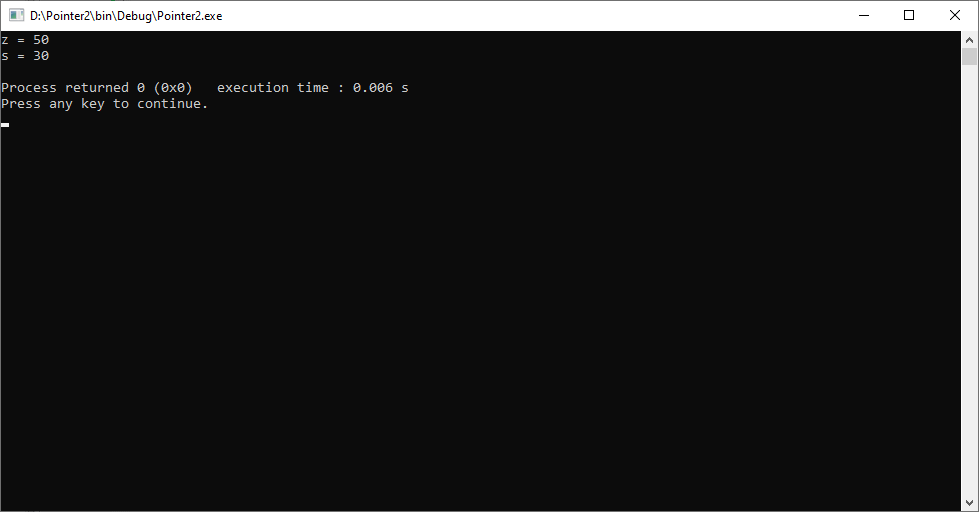


Perkiraan Jawaban :

z = 50

s = 30

Output :



5. main(){

char c = 'Q';

char \*cp = &c;

printf("%c %c\n", c, \*cp);

c = '/';

printf("%c %c\n", c, \*cp);

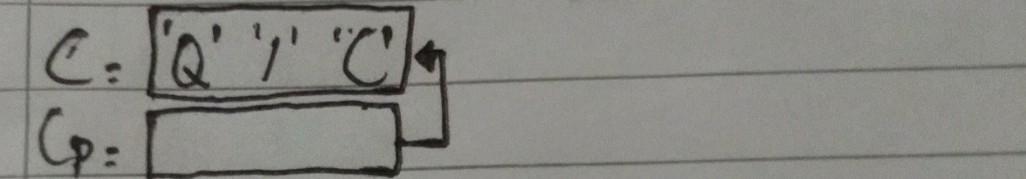
\*cp = '(';

printf("%c %c\n", c, \*cp);

}

Jawab :

Gambar :



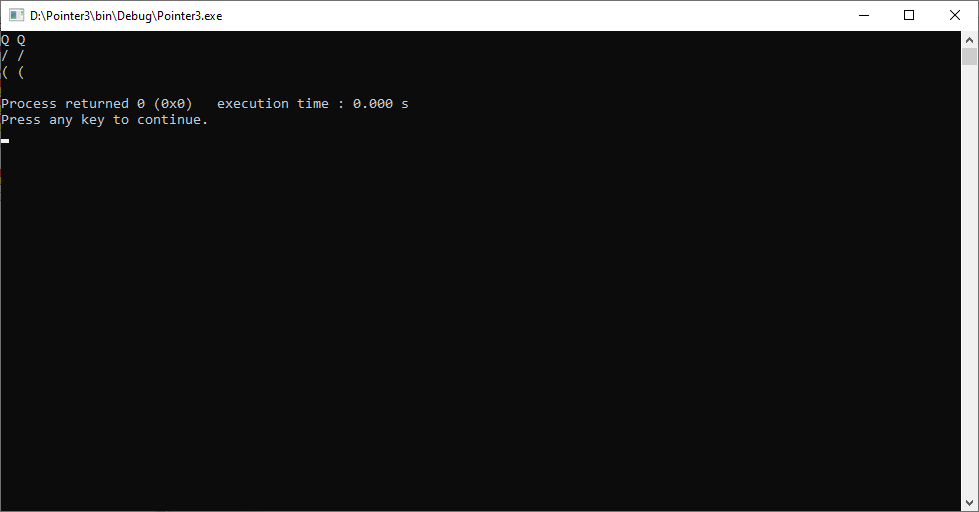
Perkiraan Jawaban :

Q Q

/ /

( (

Output :



6. main() {

int x = 1, y = 2, \*ip;

ip = &x;

y = \*ip;

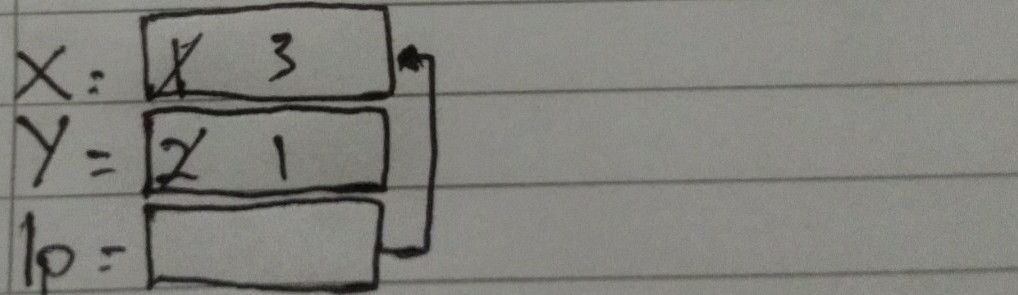
\*ip = 3;

printf(“x = %d, y = %d”, x, y);

}

Jawab :

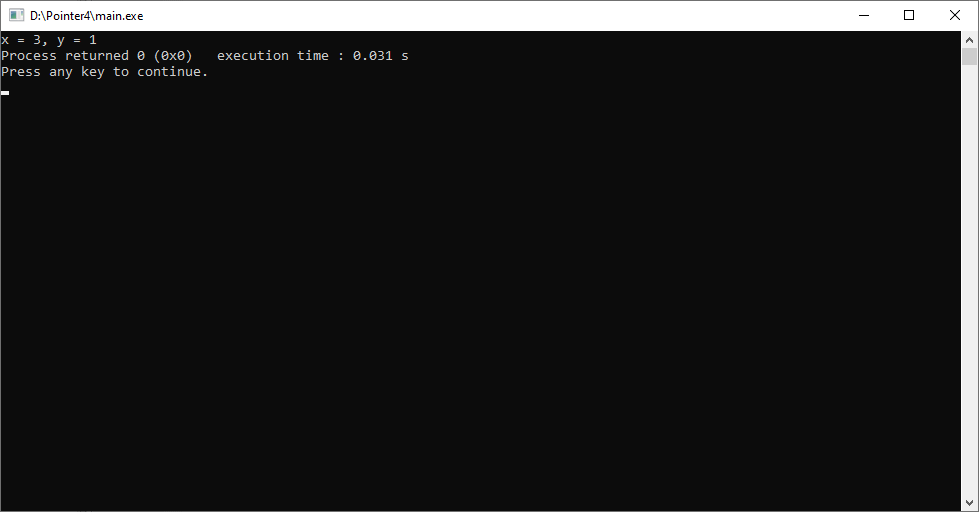
Gambar :



Perkiraan Jawaban :

x = 3, y = 1

Output :



7. main(){

int i1, i2, \*p1, \*p2;

i1 = 9;

p1 = &i1;

i2 = \*p1 / 2 – 2 \* 3;

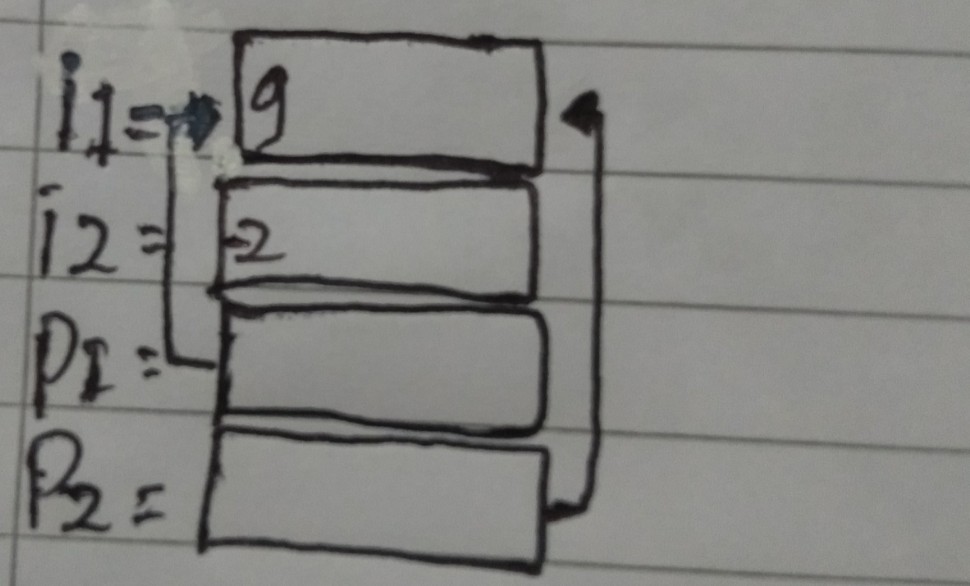
p2 = p1;

printf("i1=%d,i2=%d,\*p1=%d,\*p2=%d\n",i1,i2,\*p1,\*p2);

}

Jawab :

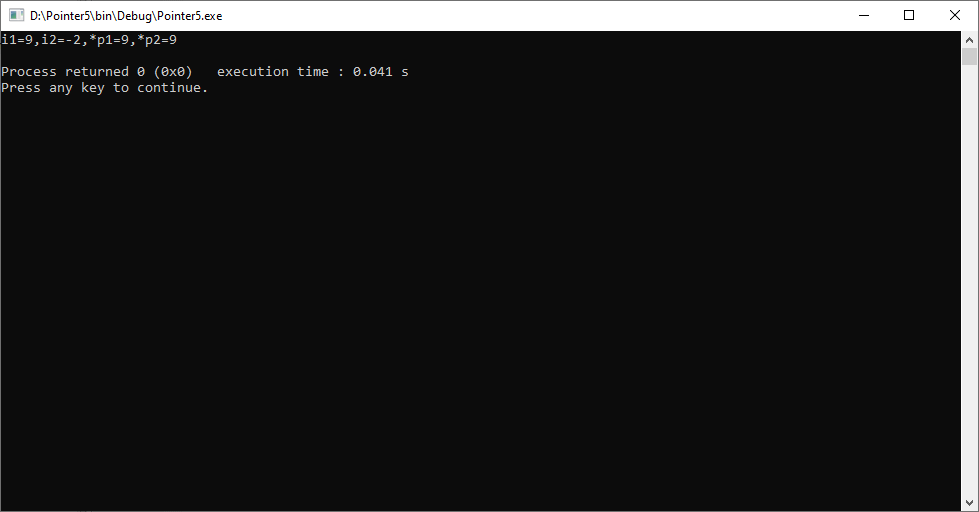
Gambar :



Perkiraan Jawaban :

i1=9,i2=-2,\*p1=9,\*p2=9

Output :



8. main() {

int count = 10, \*temp, sum = 7;

temp = &count;

\*temp = 32;

temp = &sum;

\*temp = count;

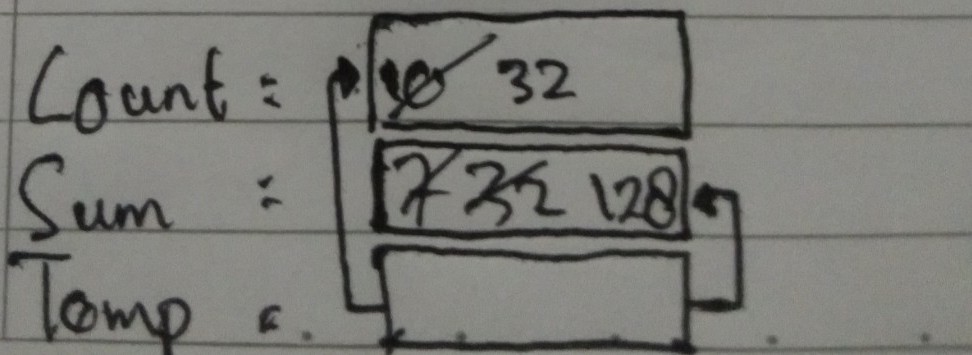
sum = \*temp \* 4;

printf("count = %d, \*temp = %d, sum = %d\n", count,\*temp, sum );

}

Jawab :

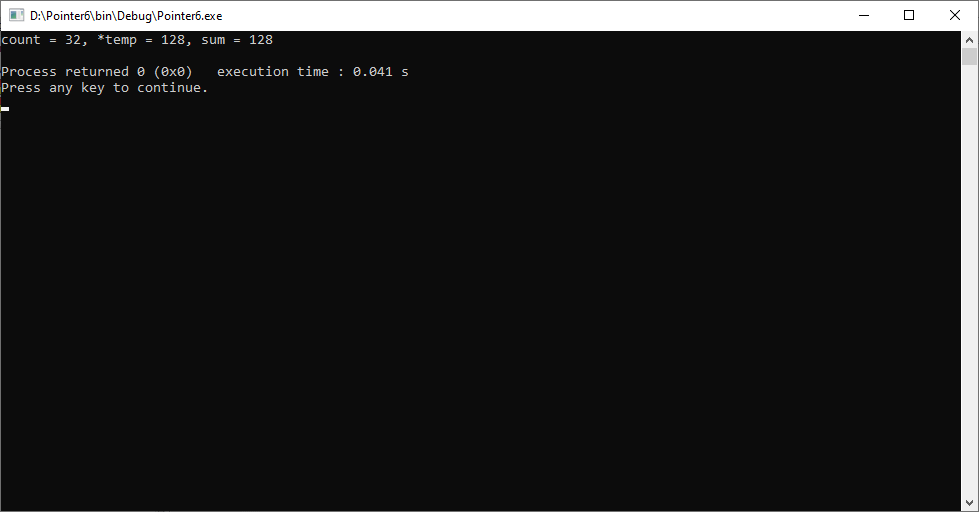
Gambar :



Perkiraan Jawaban :

count=32, \*temp=128, sum=128

Output :



9. main(){

int count = 13, sum = 9, \*x, \*y;

x = &count;

\*x = 27;

y = x;

x = &sum;

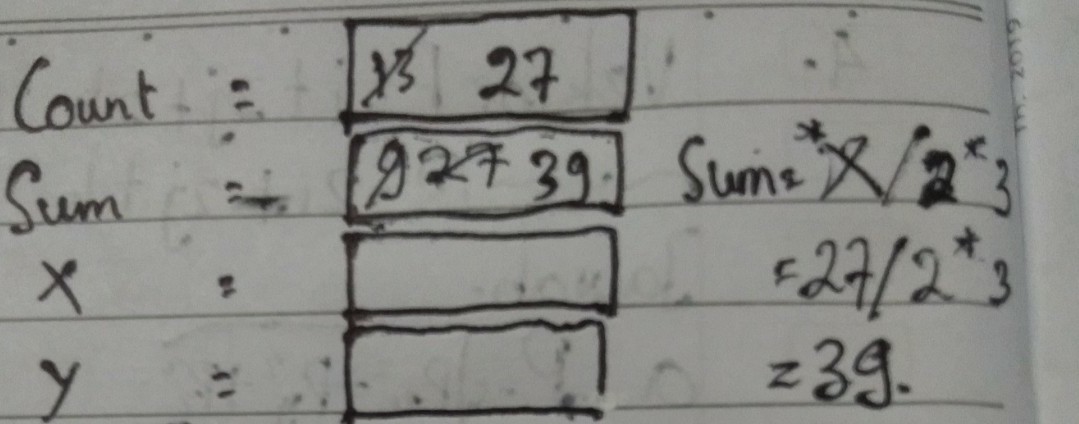
\*x = count;

sum = \*x / 2 \* 3; printf("count = %d, sum = %d, \*x = %d, \*y = %d\n", count,sum,\*x,\*y);

}

Jawab :

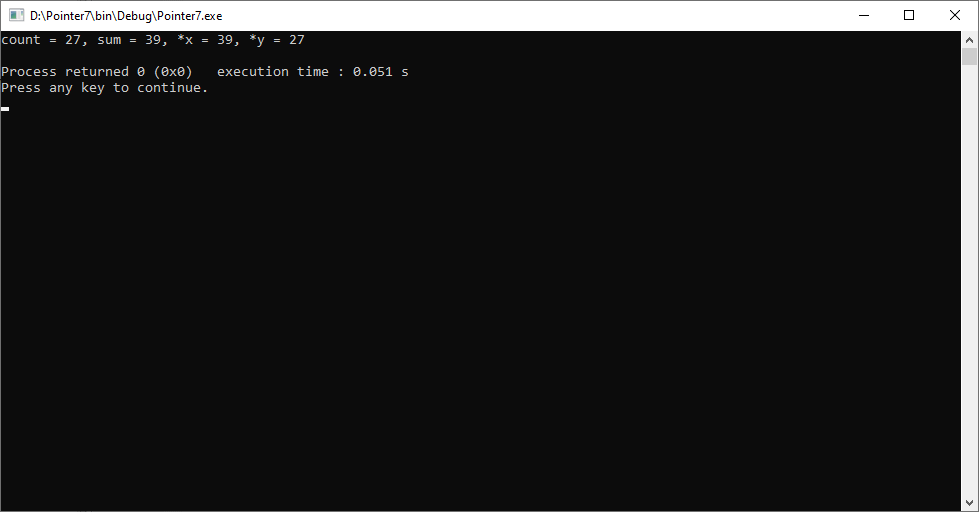
Gambar :



Perkiraan Jawaban :

count=27, sum=39, \*x=39, \*y=27

Output :



10. int r, q = 7;

int go\_crazy(int \*, int \*);

main() {

int \*ptr1 = &q;

int \*ptr2 = &q;

r = go\_crazy(ptr1, ptr2);

printf("q=%d, r=%d, \*ptr1=%d, \*ptr2=%d\n",q,r,\*ptr1,\*ptr2);

ptr2 = &r;

go\_crazy(ptr2, ptr1);

printf("q=%d, r=%d, \*ptr1=%d, \*ptr2=%d\n",q,r,\*ptr1,\*ptr2);

}

int go\_crazy(int \*p1, int \*p2){

int x = 5;

r = 12;

\*p2 = \*p1 \* 2;

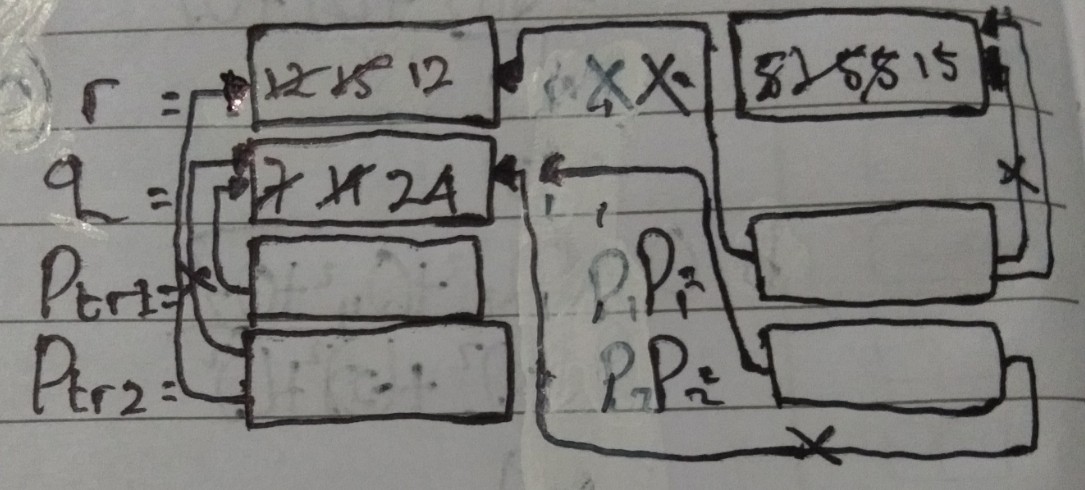
p1 = &x;

return \*p1 \* 3;

}

Jawab :

Gambar :



Perkiraan Jawaban :

q=14, r=15, \*ptr1=14, \*ptr2=14

q=24, r=12, \*ptr1=24, \*ptr2=12

Output :

